Leslie
6998

November 16, 2015

Paul B. Baker, Mining Program Manager
State of Utah, Div. of Oil Gas and Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114

RE: M/029/0008 Morgan Quarry Revised Surety Calculations

Dear Mr. Baker,

Per your request, I have revised the surety calculations for the above referenced quarry based the current cost factors listed in the Means Heavy Construction Cost Data and equipment rates from the Rental Rate Blue Book on Heavy Equipment. Please look them over and let me know if you have any questions.

Sincerely,

Brent R. Sumsion
Property and Environmental Manager

Geneva Rock Products, Inc
Morgan Quarry

Bond Amount

Revised October 2008

Bonding Calculations

Direct Costs		
Subtotal Demolition and Removal	$63,264.00	
Subtotal Backfilling and Grading	$68,856.00	
Subtotal Revegetation	$48,000.00	
Direct Costs	$180,120.00	
Indirect Costs		
Mob/Demob	$18,012.00	10.0%
Contingency	$9,006.00	5.0%
Engineering Redesign	$4,503.00	2.5%
Main Office Expense	$12,248.00	6.8%
Project Mainagement Fee	$4,503.00	2.5%
Subtotal Indirect Costs	$48,272.00	26.8%
Total Cost base on 2015 Costs	$228,392.00	
Number of years		5
Escalation factor		0.013
Escalation	$5,382.00	
Reclamation Cost Escalated	$233,774.00	
Bond Amount (rounded to nearest $1,000)	$234,000.00	
2020 Dollars on 38-Acres Bonded Area		
Posted Bond		
Difference Between Cost Estimate and Bond	$0.00	
Percent Difference		

Geneva Rock Products - Morgan Quarry

Demolition Costs

Ref.	SUMMARY OF DEMOLITION **Description**	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Crusher Demolition																			$ 60,297
	Scale House Demolition																			$ 2,967
																				$ 63,264

Geneva Rock Products, Inc. - Morgan Quarry

Demolition Costs

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume CF	Weight	Density	Time	Number Loads	Unit	Swell Factor	Quantity	Unit	Cost
	CRUSHER																			
	Conveyors (15)	**Steel Bldg. Large**	02 41 16.13 0020	**0.36**	**/CF**	70.00	4.00	4.00							15	ft		16,800.00	cf	6,048
	Jaw Crusher/feeder	**Steel Bldg. Large**	02 41 16.13 0020	**0.36**	**/CF**	40.00	12.00	12.00							1	ft		11,520.00	cf	4,147
	3-Deck 7x20 Screen	**Steel Bldg. Large**	02 41 16.13 0020	**0.36**	**/CF**	40.00	10.00	12.00							4	ft		19,200.00	cf	6,912
	2- Deck 5x16 Screen	**Steel Bldg. Large**	02 41 16.13 0020	**0.36**	**/CF**	30.00	10.00	12.00							1	ft		3,600.00	cf	1,296
	Cone Crusher w/ Screen	**Steel Bldg. Large**	02 41 16.13 0020	**0.36**	**/CF**	40.00	12.00	12.00							2	ft		11,520.00	cf	4,147
	Control House/Tower	**Steel Bldg. Large**	02 41 16.13 0020	**0.36**	**/CF**	45.00	10.00	12.00							1	ft		5,400.00	cf	1,944
	Generator - 1000 KW	**Steel Bldg. Large**	02 41 16.13 0020	**0.36**	**/CF**	40.00	8.00	10.00							1	ft		3,200.00	cf	1,152
	Conex Parts Storage Container	**Steel Bldg. Large**	02 41 16.13 0020	**0.36**	**/CF**	40.00	8.00	8.00							1	ft		2,560.00	cf	922
	Wash Plant	**Steel Bldg. Large**	02 41 16.13 0020	**0.36**	**/CF**	40.00	12.00	12.00							1	ft		5,760.00	cf	2,074
	Misc. Pipe, legs, and Splitter	**Steel Bldg. Large**	02 41 16.13 0020	**0.36**	**/CF**	40.00	8.00	8.00							1	ft		2,560.00	cf	922
	30 Miles to Allied Metals, Ogden - 20 miles covrd																			
	Total Volume of Materials																	82,120.00	cf	
	Volume of Debris																0.3	24,636.00		
	Weight of Debris												488			lb/cf		6,011	tons	
	No. of Trip 16 Tons																	376	Trip	
	Add .5Hr per round trip																			
	Hual to Recycling Center 1hr rnd trip	Truck Dump 16 Ton Payload	01 54 33 20 5300	$ 692.20	Day													23.48	Day	16,254
	Truck Driver	Truck driver, Heavy	Trhv	$ 57.30	HR													187.85	Hr	10,764
	Subtotal																			56,600
	Fuel Tank																			
	Removal of Storage Tanks	9000 gal to 12000 gal tank	02 65 10 30 0130	1,775	Ea.										1	Ea		1	Ea	1,775
	Remove Sludge, water remaining products	9000 gal to 12000 gal tank	02 65 10 30 0853	152	Ea.										1	Ea		1	Ea	152
	haul tank 100 miles round trip	9000 gal to 12000 gal tank	02 65 10 30 1029	1,150	Ea.										1	Ea		1	Ea	1,150
	Subtotal																			3,077
	Demolition Cost Structures Disposed on Site																			
	Truck Scales	Steel Bldg. Large	02 41 16 13 0020	0.36	/CF	100	10	2								ft		2000	cf	620
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			620
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			60,297

Revised October 2008

Geneva Rock Products, Inc. - Morgan Quarry

Demolition Costs

Ref.	Description	Materials	Means Reference Number	Unit Cost	/Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	SCALE HOUSE & SCALE FOOTINGS																			
	Deduct 50% no interior walls																			
	Structure's Demolition Cost	Mixed Materials Bldg. Large	02 41 16.13 0100	$ 0.33	CF	40	10	10			4000							4000	CF	$ 1,320
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck	Truck Dump 16 ton payload	01 54 33.20 5300	$ 533.00	/day									0		day/trip		0	day	$ -
	Transportation Cost Non Steel Drive																	0	hr	$ -
	Disposal Cost Non Steel	Ogden Transfer Station	BECL	$ 26.00	Ton													60	Ton	$ 1,560
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			$ 2,880
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete Demolition Cost	Concrete Demo1	$ 11.03	CY	12	4	1								ft		2	CY	$ 22
	Concrete's Vol. Demolished																1.3	3	CY	
	Loading Cost	Front end loader wheel 3 cy	31 23 16 42 1601	1.24	CY													3	CY	$ 4
	Transportation Cost	**12CY (16 ton) Dumpl Truck 1/2mi. Md. Trip**	31 23 23 20 0320	$ 9.55	CY													3	CY	$ 29
	Disposal Costs	Disposal on site	02 41 16 17 4200	$ 10.80	/CF							0						3	CY	$ 32
	Subtotal																			$ 87
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			$ 2,967

Geneva Rock Products, Inc. - Morgan Quarry

Earthwork Costs

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Subtotal Cost
SUMMARY EARTHWORK															
Spread Stockpiles															$ 39,408
Replace Topsoil - Quarry Floor															$ 15,216
Replace Topsoil - Benches															$ 14,232
Total															$ 68,856

Geneva Rock Products, Inc. - Morgan Quarry

Earthwork Costs

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Each	Total Eq. & Lab. Costs	Units	33% of Inventory Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
SPREAD REMAINING AGGREGATE STOCKPILES															
Road Base (1"dia.)									9,900						
Fines (0.25" dia.)									4,950						
Sub-base (3" dia.)									6,600						
Chip Rock (0.5"dia.)									3,300						
Chip Rock (0.38" dia.)									4,950						
Drain Rock									3,300						
Basket Rock (8" dia.)									3,300						
Course Aggregate 3/4"									4,950						
Landscape Boulders									1,650						
Total Tons									42,900						
Total CY using 1.5 ton/LCY conversion factor									28,600						
623G EROPS (Equipment Watch 2015)	22200	$ 138.90	0.1	$ 74.15	$ 365.69	2	$ 731.38	$/HR	28,600	LCY	682	LCY/HR	42	HR	$ 30,671
14M Grader EROPS (Equipment Watch 2015)	10462.18	$ 64.75	0.1	$ 74.15	$ 210.76	1	$ 210.76	$/HR					21	HR	$ 4,419
5,000 Gal H2O Truck, Diesel (Equipment Watch 2015)	2465.01	$ 37.65	0.1	$ 55.70	$ 112.52	1	$ 112.52	$/HR					21	HR	$ 2,359
Foreman Average, Outside				$ 76.35	$ 76.35	1	$ 76.35	$/HR					21	HR	$ 1,601
Pickup Truck Crew 4X4 3/4 Ton (Equipment Watch 2015	849	$ 10.70	0.1	$ -	$ 17.08	1	$ 17.08	$/HR					21	HR	$ 358
															$ 39,408

Geneva Rock Products, Inc. - Morgan Quarry

Earthwork Costs

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Each	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
REPLACE 6" TOPSOIL OVER 12.9-ACRE QUARRY FLOOR															
623G EROPS (Equipment Watch 2015)	22200	$ 138.90	0.1	$ 74.15	$ 365.69	2	$ 731.38	$/HR	10,406	LCY	682	LCY/HR	15.26	HR	11,159
14M Grader EROPS (Equipment Watch 2015)	10462	$ 64.75	0.1	$ 74.15	$ 210.76	1	$ 210.76	$/HR					8	HR	1,608
5,000 Gal H2O Truck Diesel (Equipment Watch 2015)	2465	$ 37.65	0.1	$ 55.70	$ 112.52	1	$ 112.52	$/HR					8	HR	858
Foreman Average, Outside				$ 76.35	$ 76.35	1	$ 76.35	$/HR					8	HR	582
Pickup Truck Crew 4X4 (Equipment Watch 2015)	849	$ 10.70	0.1	$ -	$ 17.08	1	$ 17.08	$/HR					8	HR	130
SCARIFYING															
14M Grader EROPS (Equipment Watch 2015)	10462	$ 64.75	0.1	$ 74.15	$ 210.76	1	$ 210.76	$/HR	13	ACRES	3.1	ACRE/HR	4	HR	877
															15,216

Geneva Rock Products, Inc. - Morgan Quarry

Earthwork Costs

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Each	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
REPLACE 6" TOPSOIL OVER 25.1 ACRES OF BENCH AREAS															
623G EROPS (Equipment Watch 2015)	22200	$ 138.90	0.1	$ 74.15	$ 365.69	2	$ 731.38	$/HR	6,130	LCY	420	LCY/HR	14.60	HR	10,675
14M Grader EROPS (Equipment Watch 2015)	10462	$ 64.75	0.1	$ 74.15	$ 210.76	1	$ 210.76	$/HR					7	HR	1,538
5,000 Gal H2O Truck Diesel (Equipment Watch 2015)	2465	$ 37.65	0.1	$ 55.70	$ 112.52	1	$ 112.52	$/HR					7	HR	821
Foreman Average, Outside				$ 76.35	$ 76.35	1	$ 76.35	$/HR					7	HR	557
Pickup Truck Crew 4X4 3/4 Ton (Equipment Watch 2015)	848	$ 10.70	0.1	$ -	$ 17.07	1	$ 17.07	$/HR					7	HR	125
SCARIFYING															
14M Grader EROPS (Equipment Watch 2015)	10462	$ 64.75	0.1	$ 74.15	$ 210.76	1	$ 210.76	$/HR	8	ACRES	3.1	ACRE/HR	2	HR	517
															14,232

Geneva Rock Products, Inc. - Morgan Quarry

Revegetation Costs

Ref.	Description REVEGETATION COST - ENTIRE MIINE	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Seeding Costs	Standard Vegetation Costs	Min STD Veg	$1,000	/Acre					38										$ 38,000
	Reseeding - assume 25%	Standard Vegetation Costs	Min STD Veg	$1,000	/Acre					10										$ 10,000
	Subtotal																			$ 48,000
	Subtotal																			
	Subtotal																			
	Subtotal																			
	Subtotal																			
	Total																			$ 48,000

Project: Morgan Quarry
Date: 11-15-15
Prepared by: B. SUMSION

WORKSHEET 11A
PRODUCTIVITY OF PUSH-PULL OR SELF-LOADING SCRAPER USE

Earthmoving Activity: Redistribute Gravel stockpiles

Characterization of Scraper Used (type, capacity, etc.):

Cat 623 G Self Loading Scraper

Description of Scraper Use (origin, destination, grade, haul distance, capacity, etc.):

Origin - Stockpiles 28,600CY ; is 33% of Annual Max
Haul Dist. = 1080' Avg. Grade 2%

Productivity Calculations:

Cycle Time = .90 (load time (push-pull is per pair)) min + .6 (loaded trip time) min + .70 (maneuver and spread time) min + .5 (return trip time) min = 2.7 (push-pull is per pair) min

Hourly Production = 20.5 (capacity*) LCY x 60 min/hr ÷ 2.70 (cycle time) min x .75 (efficiency factor) = 341 (push-pull is per pair) LCY/hr x 2 machines = 682 CY/HR

Hours Required = 28,600 (volume to be handled) LCY ÷ 682 (net hourly production) LCY/hr = 42 hr

* The average of the struck and heaped capacities; use total for two scrapers for push-pull.

Data Source(s):

Cat Perf. Handbook #39
Charts 8-22 & 8-23

Project: Morgan Quarry
Date: 12/15-15
Prepared by: B. Sumsion

WORKSHEET 11A
PRODUCTIVITY OF PUSH-PULL OR SELF-LOADING SCRAPER USE

Earthmoving Activity: Redistribution of Topsoil on Quarry Floor

Characterization of Scraper Used (type, capacity, etc.):

Cat 623G Self Loading Scraper

Description of Scraper Use (origin, destination, grade, haul distance, capacity, etc.):

Origin - Topsoil Stock Piles, Dist. 1080' Avg. Grade 2%

Productivity Calculations:

Cycle Time = .90 (load time (push-pull is per pair)) min + .6 (loaded trip time) min + .70 (maneuver and spread time) min + .5 (return trip time) min = 2.7 (push-pull is per pair) min

Hourly Production = 20.5 (capacity*) LCY x 60 min/hr ÷ 2.70 (cycle time) min x .75 (efficiency factor) = 341 (push-pull is per pair) LCY/hr x 2 machine = 682/HR

Hours Required = 10,460 (volume to be handled) LCY ÷ 682 (net hourly production) LCY/hr = 15.3 hr

* The average of the struck and heaped capacities; use total for two scrapers for push-pull.

Data Source(s):

* 12.9 Acres x 43,560 SF/Acres x .5' Deep / 27 cf/cy = 10,406 LCY

CAT Perf. Handbook #39
Charts on 8-22 & 8-23

Project: Morgan Quarry
Date: 11-18-15
Prepared by: B. SUMSION

WORKSHEET 11A
PRODUCTIVITY OF PUSH-PULL OR SELF-LOADING SCRAPER USE

Earthmoving Activity: Redistribution of Topsoil on Benches

Characterization of Scraper Used (type, capacity, etc.):
Cat 623G Self loading scraper

Description of Scraper Use (origin, destination, grade, haul distance, capacity, etc.):
Origin – Topsoil Stockpiles, Dist 2,000', Avg. Grade 8%

Productivity Calculations:

Cycle Time = .90 (load time (push-pull is per pair)) min + 2.1 (loaded trip time) min + .70 (maneuver and spread time) min + .70 (return trip time) min = 4.4 (push-pull is per pair) min

Hourly Production = 20.5 (capacity*) LCY x 60 min/hr ÷ 4.4 (cycle time) min x .75 (efficiency factor) = 210 (push-pull is per pair) LCY/hr x 2 machines = 420

Hours Required = 6,130 (volume to be handled) LCY ÷ 420 (net hourly production) LCY/hr = 14.6 hr

* The average of the struck and heaped capacities; use total for two scrapers for push-pull.

Data Source(s):

1:1 Bench Acres = 25.1 $\frac{25' \text{ Benches}}{40' \text{ Intervals}}$ = 63% of slopes are topsoiled

Beach area to be topsoiled = 25.1 Acres x .63 = 7.61 Acres

7.6 Acres x 43,560 SF/AC x .5' deep topsoil / 27 CF/CY = 6,130 CY on beaches

Used Cat Perf. Handbook #39
Figures 8-22 & 8-23

Project: Morgan Quarry
Date: 4-28-15
Prepared by: B. Sumsion

WORKSHEET 12
PRODUCTIVITY AND HOURS REQUIRED FOR MOTORGRADER USE

Earthmoving Activity: Scarifying floor, Plant, Road & Stockpile Area

Characterization of Grader Used (type, size capacity, etc.):
CAT 14 M Grader - 14' Wide Blade, Ripper Beam Width 8'-6" Wide

Description of Grader Route (push distance, grade, effective blade width, operating speed, etc.):

Productivity Calculations:

Grading

Hourly Production = ____4____ mi/hr (average speed) x _____ ft (effective blade width) x 5,280 ft/mi x 1 ac/43,560 ft²

x _____ (efficiency factor) = _____ ac/hr

Hours Required = _____ ac (area to be graded) ÷ _____ ac/hr (hourly production) = _____ hr

Scarification

Hourly Production = ____4____ mi/hr (average speed) x ____8.5____ ft (scarifier width) x 5,280 ft/mi x 1 ac/43,560 ft²

x ____.75____ (efficiency factor) = ____3.1____ ac/hr

Hours Required = _____ ac (area to be scarified) ÷ _____ ac/hr (hourly production) = _____ hr

Total Hours Required

Total Hours = _____ (grading hours required) + _____ (scarification hours required) = _____ hr

Data Source(s):

Miscellaneous 4X4 3/4 160 CREW DSL

On-Highway Light Duty Trucks

Size Class:
Net Hp 100 - 199 HP
Weight:
5,500 lbs.

Add To My Fleets

Configuration for 4X4 3/4 160 CREW DSL

Power Mode:	Diesel	Cab Type:	Crew
Axle Configuration:	4X4	Ton Rating:	3/4
Horsepower:	160.0		

Blue Book Rates

Rate Effective Dates: Always Use Current Rate

printable report

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate **
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	$945.00	$265.00	$66.00	$10.00	$10.70	$16.07
Adjustments						
Region (Utah: 89.8%)	-$96.39	-$27.03	-$6.73	-$1.02		
Model Year (100%)	-	-	-	-		
Ownership (100%)	-	-	-	-		
Operating (100%)					-	
Total:	**$848.61**	**$237.97**	**$59.27**	**$8.98**	**$10.70**	**$15.52**

For details, see Rate Element Allocation

Adjustments

Default Settings

Model Year: Please Select
State or Province: Utah
Canadian Regions Alaskan Regions
NEW City: Please Select
What's this
User Defined
Ownership: %
Operating: %
Adjust Rates

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	58%	$548.10 / mo
Overhaul (ownership)	28%	$264.60 / mo
CFC (ownership)	4%	$37.80 / mo
Indirect (ownership)	10%	$94.50 / mo
Fuel (operating) @ $3.98	71%	$7.64 / hr

Revised Date: 2nd Half 2014

Miscellaneous DSL 6X4 3500

On-Highway Water Tankers

Size Class:
Net Hp 200 HP & Over
Weight:
12,500 lbs.

Add To My Fleets

Configuration for DSL 6X4 3500

Power Mode: **Diesel**
Horsepower: **250.0**
Tank Capacity: **3,500 gal**

Equipment Notes: Rates include pump and rear spray system.

Blue Book Rates

Rate Effective Dates: Always Use Current Rate

printable report

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate **
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	$2,745.00	$770.00	$195.00	$29.00	$37.65	$53.25
Adjustments						
Region (Utah: 89.8%)	-$279.99	-$78.54	-$19.89	-$2.96		
Model Year (100%)	-	-	-	-		
Ownership (100%)	-	-	-	-		
Operating (100%)					-	
Total:	**$2,465.01**	**$691.46**	**$175.11**	**$26.04**	**$37.65**	**$51.66**

For details, see Rate Element Allocation

Adjustments

Default Settings

Model Year: Please Select
State or Province: Utah
Canadian Regions Alaskan Regions
NEW City: Please Select
What's this
User Defined
Ownership: %
Operating: %

Adjust Rates

Rate Element Allocation

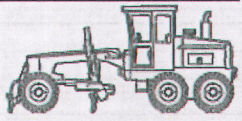
Element	Percentage	Value
Depredation (ownership)	51%	$1,399.95 / mo
Overhaul (ownership)	31%	$850.95 / mo
CFC (ownership)	5%	$137.25 / mo
Indirect (ownership)	13%	$356.85 / mo
Fuel (operating) @ $3.98	66%	$24.88 /hr

Revised Date: 2nd Half 2014

Caterpillar 14M

Articulated Frame Graders

Size Class:
Net Hp 250 HP & Over
Weight:
46,796 lbs.



Compare Similar Models | Add To My Fleets

Configuration for 14M

Power Mode:	**Diesel**	Operator Protection:	**EROPS**
Moldboard Size:	**14' ft**	Net Horsepower:	**259.0 hp**

Blue Book Rates

Rate Effective Dates: Always Use Current Rate

printable report

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate **
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	$12,095.00	$3,385.00	$845.00	$125.00	$64.75	$133.47
Adjustments						
Region (Utah: 86.5%)	-$1,632.82	-$456.97	-$114.07	-$16.87		
Model Year (100%)	-	-	-	-		
Ownership (100%)	-	-	-	-		
Operating (100%)					-	
Total:	**$10,462.18**	**$2,928.03**	**$730.93**	**$108.13**	**$64.75**	**$124.19**

For details, see Rate Element Allocation

Adjustments

Default Settings

Model Year: Please Select

State or Province: Utah

Canadian Regions Alaskan Regions

NEW City: Please Select

What's this

User Defined

Ownership: ____ %

Operating: ____ %

Adjust Rates

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	34%	$4,112.30 / mo
Overhaul (ownership)	48%	$5,805.60 / mo
CFC (ownership)	6%	$725.70 / mo
Indirect (ownership)	12%	$1,451.40 / mo
Fuel (operating) @ $3.98	51%	$32.99 /hr

Revised Date: 2nd Half 2014

Caterpillar 623G

Single Engine Elevating Scrapers

Size Class:
Heaped Capacity - Cubic Yds 18 & Under 30CY
Weight:
82,530 lbs.

Compare Similar Models | Add To My Fleets

Configuration for 623G

Power Mode:	**Diesel**	Scraper Capacity:	**18.0 - 23.0 cy**
Net Horsepower:	**365.0 hp**	Operator Protection:	**EROPS**

Manufacturer Notes: C-H = Cushion-Hitch

Blue Book Rates

Rate Effective Dates: Always Use Current Rate

printable report

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate **
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	$25,665.00	$7,185.00	$1,795.00	$270.00	$138.90	$284.72
Adjustments						
Region (Utah: 86.5%)	-$3,464.77	-$969.97	-$242.32	-$36.45		
Model Year (100%)	-	-	-	-		
Ownership (100%)	-	-	-	-		
Operating (100%)					-	
Total:	**$22,200.23**	**$6,215.03**	**$1,552.68**	**$233.55**	**$138.90**	**$265.04**

For details, see Rate Element Allocation

Adjustments

Default Settings

Model Year: Please Select

State or Province: Utah

Canadian Regions Alaskan Regions

NEW City: Please Select

What's this

User Defined
Ownership: %
Operating: %

Adjust Rates

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	27%	$6,929.55 / mo
Overhaul (ownership)	63%	$16,168.95 / mo
CFC (ownership)	4%	$1,026.60 / mo
Indirect (ownership)	6%	$1,539.90 / mo
Fuel (operating) @ $3.98	40%	$55.20 / hr

Revised Date: 2nd Half 2014